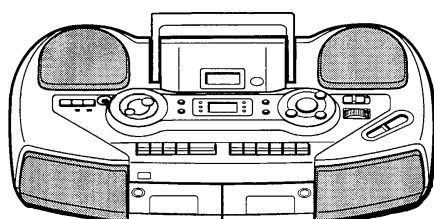


**CSD-SR545**    EZ  
**CSD-SR540**    EZ,K



# SERVICE MANUAL

---

COMPACT DISC STEREO  
RADIO CASSETTE RECORDER

BASIC TAPE MECHANISM : TN21ZVW-1810  
BASIC CD MECHANISM : KSM-213CDM

---

# SPECIFICATIONS

## **Tuner section**

Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna,  
MW: 530 - 1,605 kHz Ferrite bar antenna, LW: 150 - 285 kHz Ferrite bar  
antenna

## **Deck section**

Track format — 4 tracks, 2 channels / Frequency range — Normal tape:  
50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system —  
Magnet erase / Heads — Deck 2: Recording/playback head (1), Erasure  
head (1), Deck 1: Playback head (1)

## **CD player section**

Disc — Compact disc / Scanning method — Non-contact optical scanner  
(semiconductor laser)

## **General**

Speaker — 100 mm cone type (2), 36 mm cone type (2) / Output —  
Headphones jack (stereo mini-jack) / Power output — 4.5 W + 4.5 W  
(EIAJ 3.2 ohms), 3.3 W + 3.3 W (DIN 1% Rated Power) / Power  
requirements — DC 12 V using eight size C (R14) batteries, AC 230 V,  
50 Hz / Power consumption — 27 W  
Dimensions (W × H × D) — 500 × 196 × 290 mm  
Weight (excluding batteries) — 5.5 kg

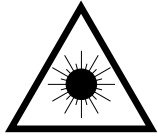
- Design and specifications are subject to change without notice.

## PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

### WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

### VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylitävälle näkymättömälle lasersäteilylle.

### WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstråling, som överskrider gränsen för laserklass 1.

### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### ATTENTION

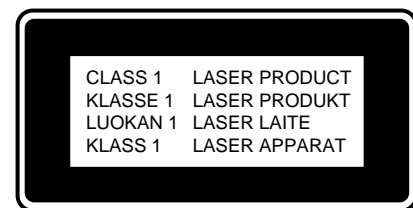
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

### ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

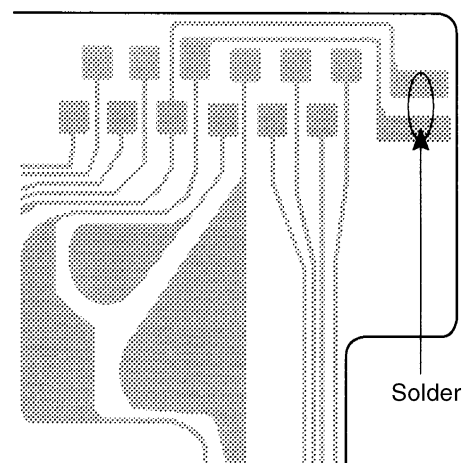


## Precaution to replace Optical block (KSS-213C)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in the right figure.

PICK-UP Assy P.C.B



# ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C31	87-010-379-080		CAP, ELECT 22-16V
	87-A20-955-010	IC,LA1828		C37	87-018-122-080		CAP 180P-50 B
	87-A20-946-040	C-IC,MM1434XF		C38	87-A11-080-080		CAP,TC U 47P-50 J CH
	87-A20-591-010	IC,BA5417		C44	87-018-123-080		CAP, CER 220P-50V
	87-A21-111-040	C-IC,M62495FP		C207	87-010-374-080		CAP, ELECT 47-10V
	87-020-828-010	IC,BA3416BL		C208	87-010-402-080		CAP, ELECT 2.2-50V
	87-001-440-010	IC,BA15218N		C209	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-A20-446-010	C-IC,LA9241ML		C210	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-A20-459-010	C-IC,LC78622ED		C211	87-010-401-080		CAP, ELECT 1-50V
	87-A21-093-010	IC,LA6541D		C212	87-010-401-080		CAP, ELECT 1-50V
	87-070-416-010	IC,NJU7201 L55		C213	87-018-132-080		CAP, CER 2200P-16V
	8Z-CH4-636-010	IC,LC867132V-5K36		C214	87-018-132-080		CAP, CER 2200P-16V
	87-A20-650-010	IC,RPM6938-V11<545 EZSC>		C217	87-010-400-080		CAP, ELECT 0.47-50V
				C218	87-010-400-080		CAP, ELECT 0.47-50V
				C220	87-010-405-080		CAP, ELECT 10-50V
TRANSISTOR				C222	87-018-134-080		CAPACITOR,TC-U 0.01-16
	89-319-233-080	TR,2SC1923 (0.1W)		C223	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-026-572-080	TR,DTA114TS		C226	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-026-215-080	TR,DTC114YS		C228	87-010-401-080		CAP, ELECT 1-50V
	89-109-521-080	TR,2SA952 (0.6W)		C229	87-010-401-080		CAP, ELECT 1-50V
	87-026-462-080	TR,2SC1740 S(RS 0.3W)		C230	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-026-291-010	TR,DTC124XS		C233	87-010-546-080		CAP, ELECT 0.33-50V
	87-026-463-010	TR,2SA933S,RS		C234	87-010-546-080		CAP, ELECT 0.33-50V
	89-318-154-080	TR,2SC1815 (0.4W)		C235	87-010-544-080		CAP, ELECT 0.1-50V
	89-320-011-010	TR,2SC2001 (0.6W)		C236	87-010-544-080		CAP, ELECT 0.1-50V
	87-026-463-080	TR,2SA933S (0.3W)		C237	87-010-374-080		CAP, ELECT 47-10V
	87-026-291-080	TR,DTC124XS		C238	87-010-263-080		CAP, ELECT 100-10V
	89-320-011-080	TR,2SC2001 (15W)		C239	87-010-112-080		CAP, ELECT 100-16V
	89-112-965-010	TR,2SA1296GR		C241	87-010-405-080		CAP, ELECT 10-50V
	89-113-184-080	TR,2SA1318T		C242	87-010-405-080		CAP, ELECT 10-50V
	89-213-702-010	TR,2SB1370 (1.8W)		C243	87-010-405-080		CAP, ELECT 10-50V
	87-026-462-010	TR,2SC1740S		C244	87-010-405-080		CAP, ELECT 10-50V
	88-NF9-637-010	TR,2SA1318T/U		C245	87-010-405-080		CAP, ELECT 10-50V
	89-112-965-080	TR,2SA1296 (0.75W)		C246	87-010-405-080		CAP, ELECT 10-50V
	87-026-464-010	TR,DTC114TS		C247	87-010-404-080		CAP, ELECT 4.7-50V
DIODE				C248	87-010-404-080		CAP, ELECT 4.7-50V
	87-020-465-080	DIODE,1SS133 (110MA)		C251	87-010-401-080		CAP, ELECT 1-50V
	87-027-607-080	ZENER,HZ7B3L		C261	87-010-402-080		CAP, ELECT 2.2-50V
	87-A40-466-080	ZENER,MTZJ2.7A		C262	87-010-402-080		CAP, ELECT 2.2-50V
	87-017-161-080	ZENER,HZS7C2L		C263	87-018-131-080		CAP, CER 1000P-50V
	87-017-148-080	ZENER,HZS6A1L		C264	87-018-131-080		CAP, CER 1000P-50V
	87-017-139-010	ZENER,HZS15-2		C265	87-010-383-080		CAP, ELECT 33-25V
	87-A40-465-010	DIODE,FR202		C266	87-010-383-080		CAP, ELECT 33-25V
MAIN C.B				C267	87-010-380-080		CAP, ELECT 47-16V
	C2	87-A11-076-080	CAP,TC U 33P-50 J CH	C268	87-010-380-080		CAP, ELECT 47-16V
	C3	87-A11-073-080	CAP,TC U 22P-50 J CH	C271	87-010-221-080		CAP, ELECT 470-10V
	C6	87-010-378-080	CAP, ELECT 10-16V	C272	87-010-221-080		CAP, ELECT 470-10V
	C7	87-018-208-080	CAP 0.047-50F	C275	87-010-628-080		CAP,E 3.3-16 M 5L BP SRE
	C8	87-018-132-080	CAP, CER 2200P-16V	C276	87-010-628-080		CAP,E 3.3-16 M 5L BP SRE
	C9	87-018-161-080	TC CAP 12P	C277	87-010-260-080		CAP, ELECT 47-25V
	C13	87-018-142-080	CAP,TC-U 3.9P-50 CH	C278	87-010-384-080		CAP, ELECT 100-25V
	C14	87-010-400-080	CAP, ELECT 0.47-50V	C280	87-010-401-080		CAP, ELECT 1-50V
	C16	87-018-131-080	CAP, CER 1000P-50V	C281	87-010-401-080		CAP, ELECT 1-50V
	C17	87-010-544-080	CAP, ELECT 0.1-50V	C301	87-018-131-080		CAP, CER 1000P-50V
	C18	87-018-205-080	CAP, CERA-SOL 0.022	C302	87-018-131-080		CAP, CER 1000P-50V
	C19	87-010-490-040	CAP, ELECT 0.1-50	C303	87-018-131-080		CAP, CER 1000P-50V
	C20	87-010-493-040	CAP,E 0.47-50 GAS	C304	87-018-131-080		CAP, CER 1000P-50V
	C21	87-010-403-080	CAP, ELECT 3.3-50V	C305	87-010-374-080		CAP, ELECT 47-10V
	C24	87-018-134-080	CAPACITOR,TC-U 0.01-16	C306	87-010-374-080		CAP, ELECT 47-10V
	C25	87-018-134-080	CAPACITOR,TC-U 0.01-16	C307	87-010-382-080		CAP, ELECT 22-25V
	C26	87-010-491-040	CAP,E 0.22-50 GAS	C308	87-010-405-080		CAP, ELECT 10-50V
	C27	87-010-491-040	CAP,E 0.22-50 GAS	C309	87-010-545-080		CAP, ELECT 0.22-50V
	C28	87-018-208-080	CAP 0.047-50F	C310	87-010-545-080		CAP, ELECT 0.22-50V
	C29	87-018-208-080	CAP 0.047-50F	C311	87-010-248-080		CAP, ELECT 220-10V
	C30	87-010-248-080	CAP, ELECT 220-10V	C312	87-010-374-080		CAP, ELECT 47-10V
				C315	87-010-401-080		CAP, ELECT 1-50V
				C316	87-010-401-080		CAP, ELECT 1-50V
				C317	87-010-382-080		CAP, ELECT 22-25V
				C318	87-010-382-080		CAP, ELECT 22-25V
				C319	87-010-405-080		CAP, ELECT 10-50V

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C320	87-010-405-080	CAP, ELECT	10-50V
C321	87-018-125-080	CAP, CER	330P-50V
C322	87-018-125-080	CAP, CER	330P-50V
C325	87-018-196-080	CAP, CER	1500P-16V
C326	87-018-196-080	CAP, CER	1500P-16V
C327	87-010-404-080	CAP, ELECT	4.7-50V
C328	87-018-131-080	CAP, CER	1000P-50V
C329	87-018-132-080	CAP, CER	2200P-16V
C331	87-010-374-080	CAP, ELECT	47-10V
C333	87-018-209-080	CAP, CER	0.1-50V
C334	87-018-122-080	CAP	180P-50 B
C337	87-A10-577-080	CAP,CER	0.022-50 Z YF
C341	87-018-125-080	CAP, CER	330P-50V
C342	87-018-125-080	CAP, CER	330P-50V
C343	87-018-125-080	CAP, CER	330P-50V
C344	87-018-125-080	CAP, CER	330P-50V
C348	87-018-134-080	CAPACITOR,TC-U	0.01-16
C361	87-010-112-080	CAP, ELECT	100-16V
C362	87-018-134-080	CAPACITOR,TC-U	0.01-16
C501	87-010-453-010	CAP, ELECT	4700-25V
C502	87-010-221-080	CAP, ELECT	470-10V
C503	87-010-401-080	CAP, ELECT	1-50V
C506	87-010-404-080	CAP, ELECT	4.7-50V
C507	87-010-401-080	CAP, ELECT	1-50V
C508	87-010-221-080	CAP, ELECT	470-10V
C509	87-010-263-080	CAP, ELECT	100-10V
C510	87-010-248-080	CAP, ELECT	220-10V
C511	87-010-384-080	CAP, ELECT	100-25V
C512	87-010-101-080	CAP, ELECT	220-16
C513	87-A10-577-080	CAP,CER	0.022-50 Z YF
C514	87-010-248-080	CAP, ELECT	220-10V
C551	87-010-405-080	CAP, ELECT	10-50V
C552	87-010-221-080	CAP, ELECT	470-10V
C553	87-010-197-080	CAP, CHIP	0.01 DM
CF1	87-A90-128-010	FLTR,AM IF	CFAL-455
CF2	82-785-747-080	CF,MS2 GHY,R	
CF3	82-785-747-080	CF,MS2 GHY,R	
CN203	87-049-469-010	CONN,4P V	
CN204	87-049-469-010	CONN,4P V	
CN205	87-A60-109-010	CONN,2P V	S2M-2W
CN205	87-A60-109-010	CONN,2P V	S2M-2W
CN301	87-A60-110-010	CONN,4P V	S2M-4W
CN302	87-A60-111-010	CONN,5P V	S2M 5W
CN303	87-099-408-010	CONN,8P EH V	WHT
CN501	87-049-919-010	CONN,3P EH V	WHT
CN501	87-049-919-010	CONN,3P EH V	WHT
D3	87-A40-226-080	VARI-CAP,SVC251SPA	
J251	87-009-216-010	JACK, DIA	3.5
L2	87-A50-347-010	COIL,FM BPF EX	
L3	87-A50-348-010	COIL,BAR ANT LW/MW	(COI)
L4	87-A50-345-010	COIL,FM RF EX	
L5	87-A50-343-010	COIL,FM OSC EX	
L7	87-A50-336-010	COIL,AM IFT (TOKO)	
L8	87-A50-335-010	COIL,FM IFT (TOKO)	
L9	87-A50-334-010	COIL,FM DET (TOKO)	
L10	87-003-102-080	COIL, 10UH	
L16	87-A50-339-010	COIL,LW OSC (TOKO)	
L17	87-A50-337-010	COIL,AM OSC (TOKO)	
L330	88-CT6-620-010	REC OSC	
SFR301	87-024-239-010	SFR,2.2K V	RH0632C
SW1	8Z-CD9-607-010	SW,SL 2-4-3	SK43D01G4
SW301	88-CT6-619-010	BACK SLIDE SW	6P2T SHORTIN
TC5	87-011-221-080	CAP, TRIMMER	30P
TC6	87-011-220-080	TRIMMER CAP	20P VTC
PVC1	87-A91-168-010	TUN-CAP,20P-140P	FA-22124 N000
CD C.B			
C401	87-010-403-080	CAP, ELECT	3.3-50V
C402	87-018-134-080	CAPACITOR,TC-U	0.01-16

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C403	87-010-263-080	CAP, ELECT	100-10V
C404	87-010-248-080	CAP, ELECT	220-10V
C405	87-018-134-080	CAPACITOR,TC-U	0.01-16
C406	87-010-374-080	CAP, ELECT	47-10V
C409	87-010-248-080	CAP, ELECT	220-10V
C410	87-010-263-080	CAP, ELECT	100-10V
C412	87-010-544-080	CAP, ELECT	0.1-50V
C414	87-010-405-080	CAP, ELECT	10-50V
C416	87-010-545-080	CAP, ELECT	0.22-50V
C417	87-018-125-080	CAP, CER	330P-50V
C425	87-018-129-080	CAP, CER	680P-50V
C430	87-018-123-080	CAP, CER	220P-50V
C431	87-010-400-080	CAP, ELECT	0.47-50V
C432	87-010-374-080	CAP, ELECT	47-10V
C433	87-010-401-080	CAP, ELECT	1-50V
C433	87-010-401-080	CAP, ELECT	1-50V
C435	87-018-134-080	CAPACITOR,TC-U	0.01-16
C436	87-010-374-080	CAP, ELECT	47-10V
C437	87-010-404-080	CAP, ELECT	4.7-50V
C438	87-018-209-080	CAP, CER	0.1-50V
C442	87-018-059-080	CAP TC-S	22P-50CH
C444	87-018-134-080	CAPACITOR,TC-U	0.01-16
C445	87-018-209-080	CAP, CER	0.1-50V
C446	87-018-209-080	CAP, CER	0.1-50V
C447	87-018-209-080	CAP, CER	0.1-50V
C448	87-018-111-080	CAP, CERA-SOL	SS 27P
C450	87-018-127-080	CAP, CER	470P-50V
C451	87-018-123-080	CAP, CER	220P-50V
C452	87-018-127-080	CAP, CER	470P-50V
C453	87-018-119-080	CAP, CER	100P-50V
C454	87-018-120-080	CAP, CERA-SOL	SS 120P
C455	87-010-263-080	CAP, ELECT	100-10V
C456	87-018-134-080	CAPACITOR,TC-U	0.01-16
C457	87-018-113-080	CAP, CER	33P-50V
C458	87-018-113-080	CAP, CER	33P-50V
C459	87-010-263-080	CAP, ELECT	100-10V
C460	87-018-209-080	CAP, CER	0.1-50V
C461	87-018-209-080	CAP, CER	0.1-50V
C462	87-010-248-080	CAP, ELECT	220-10V
C464	87-018-209-080	CAP, CER	0.1-50V
C465	87-010-404-080	CAP, ELECT	4.7-50V
C466	87-018-209-080	CAP, CER	0.1-50V
C467	87-010-263-080	CAP, ELECT	100-10V
C469	87-018-121-080	CAP, CER	150P-50V
C470	87-010-544-080	CAP, ELECT	0.1-50V
C475	87-018-134-080	CAPACITOR,TC-U	0.01-16
C476	87-010-236-080	CAP,E	1000-10 SME
C477	87-018-134-080	CAPACITOR,TC-U	0.01-16
C478	87-010-263-080	CAP, ELECT	100-10V
C479	87-018-134-080	CAPACITOR,TC-U	0.01-16
C480	87-010-221-080	CAP, ELECT	470-10V
C481	87-010-405-080	CAP, ELECT	10-50V
C482	87-010-405-080	CAP, ELECT	10-50V
C483	87-018-123-080	CAP, CER	220P-50V
C484	87-018-123-080	CAP, CER	220P-50V
C489	87-018-209-080	CAP, CER	0.1-50V
C490	87-018-209-080	CAP, CER	0.1-50V
C493	87-018-209-080	CAP, CER	0.1-50V
C495	87-018-119-080	CAP, CER	100P-50V
C496	87-018-119-080	CAP, CER	100P-50V
C497	87-018-119-080	CAP, CER	100P-50V
C498	87-018-119-080	CAP, CER	100P-50V
C499	87-018-119-080	CAP, CER	100P-50V
CN401	87-A60-424-010	CONN,16P V	TOC-B
L401	87-003-102-080	COIL, 10UH	
L404	87-003-152-080	COIL, 100UH	
L405	87-003-152-080	COIL, 100UH	
L407	87-003-102-080	COIL, 10UH	
L412	87-003-102-080	COIL, 10UH	
SFR401	87-024-437-080	SFR100K,RH063EC	

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
X401	81-592-641-010	VIB,CER	16.93MHZ
FRONT C.B			
C501	87-010-405-080	CAP, ELECT	10-50V
C601	89-654-185-080	CAP,TC	18P-50 J CH UP125
C602	89-654-235-080	CAP TC	27P-50J CH
C603	89-654-275-080	CAP,TC	39P-50 J CH UP125
C604	89-654-215-080	CAP,TC	22P-50 J CH UP125
C605	89-654-275-080	CAP,TC	39P-50 J CH UP125
C606	87-018-134-080	CAPACITOR,TC-U	0.01-16
C608	87-018-209-080	CAP, CER	0.1-50V
C609	87-018-209-080	CAP, CER	0.1-50V
C610	87-010-263-080	CAP, ELECT	100-10V
C611	87-018-209-080	CAP, CER	0.1-50V
C612	87-010-248-080	CAP, ELECT	220-10V
C613	87-010-402-080	CAP, ELECT	2.2-50V
C614	87-018-209-080	CAP, CER	0.1-50V
C615	87-010-400-080	CAP, ELECT	0.47-50V
C616	87-010-401-080	CAP, ELECT	1-50V
C617	87-018-131-080	CAP, CER	1000P-50V<545EZSC>
C618	87-010-405-080	CAP, ELECT	10-50V<545EZSC>
C622	87-010-405-080	CAP, ELECT	10-50V
CN601	87-099-827-010	CONN,3P	S2M-3W<545EZSC>
L601	87-003-171-010	COIL,15UH	TROIDAL
L612	87-003-102-080	COIL, 10UH	
LCD601	8Z-CD3-649-010	LCD,HLC7365	ZCD-3
LED601	8Z-CT6-632-010	LED,L-934LID	
LED602	8Z-CT6-632-010	LED,L-934LID	
LED603	8Z-CT6-632-010	LED,L-934LID	
LED605	8Z-CT6-635-010	LED,L-934LGD	
LED606	8Z-CT6-635-010	LED,L-934LGD	
LED607	8Z-CT6-632-010	LED,L-934LID	
LED608	8Z-CT6-632-010	LED,L-934LID	

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
LED609	8Z-CT6-632-010	LED,L-934LID	
S601	87-A90-095-080	SW,TACT	EVQ11G04M
S602	87-A90-095-080	SW,TACT	EVQ11G04M
S603	87-A90-095-080	SW,TACT	EVQ11G04M
S604	87-A90-095-080	SW,TACT	EVQ11G04M
S605	87-A90-095-080	SW,TACT	EVQ11G04M
S606	87-A90-095-080	SW,TACT	EVQ11G04M
S607	87-A90-095-080	SW,TACT	EVQ11G04M
S608	87-A90-095-080	SW,TACT	EVQ11G04M
S609	87-A90-095-080	SW,TACT	EVQ11G04M
S610	87-A90-095-080	SW,TACT	EVQ11G04M
S611	87-A90-095-080	SW,TACT	EVQ11G04M
S612	87-A90-095-080	SW,TACT	EVQ11G04M
S613	87-A90-095-080	SW,TACT	EVQ11G04M
X601	87-030-273-010	VIB,XTAL	32.768K5PPM
X602	87-A70-070-080	VIB,CER	5.76MHZ CRHF
PT C.B			
A701	87-A90-160-080	FUSE CLAMP,FC	51F
C701	87-A10-577-080	CAP,CER	0.022-50 Z YF
C702	87-A10-577-080	CAP,CER	0.022-50 Z YF
C703	87-A10-577-080	CAP,CER	0.022-50 Z YF
C704	87-A10-577-080	CAP,CER	0.022-50 Z YF
CN702	87-049-919-010	CONN,3P EH V	WHT
A701	87-035-139-010	FUSE, 2.5A	T 250V

- Regarding connectors, they are not stocked as they are not the initial order items. The connectors are available after they are supplied from connector manufacturers upon the order is received.

## TRANSISTOR ILLUSTRATION



ECB

2SA933  
2SC1740  
DTA114TS  
DTC114TS  
DTC114YS  
DTC124XS



ECB

2SA952  
2SA1318  
2SC1923  
2SC2001



ECB

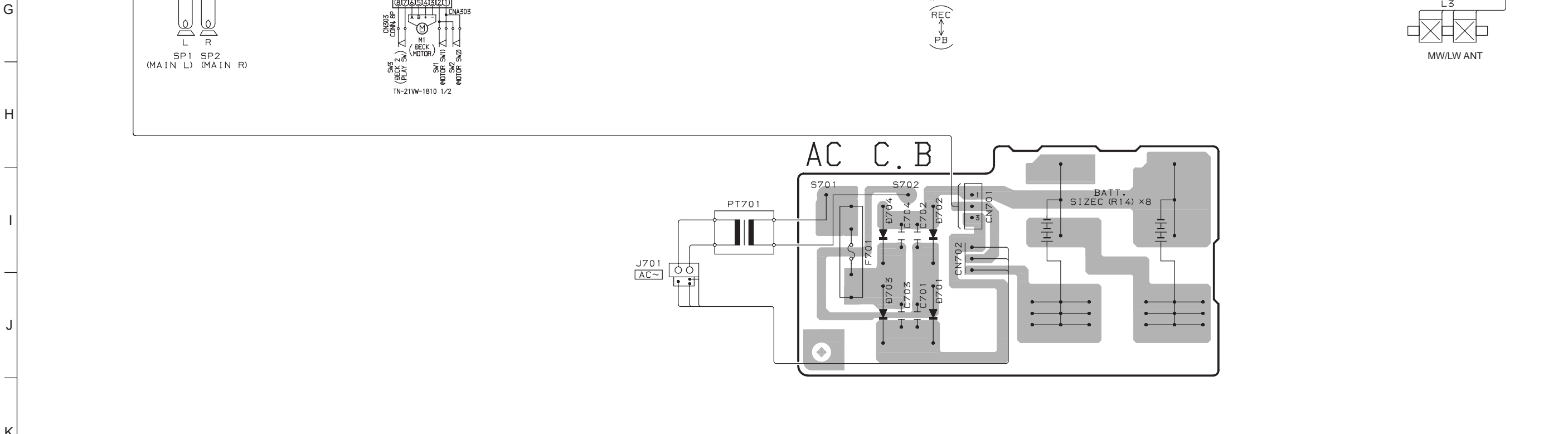
2SA1296  
2SC1815



BCE

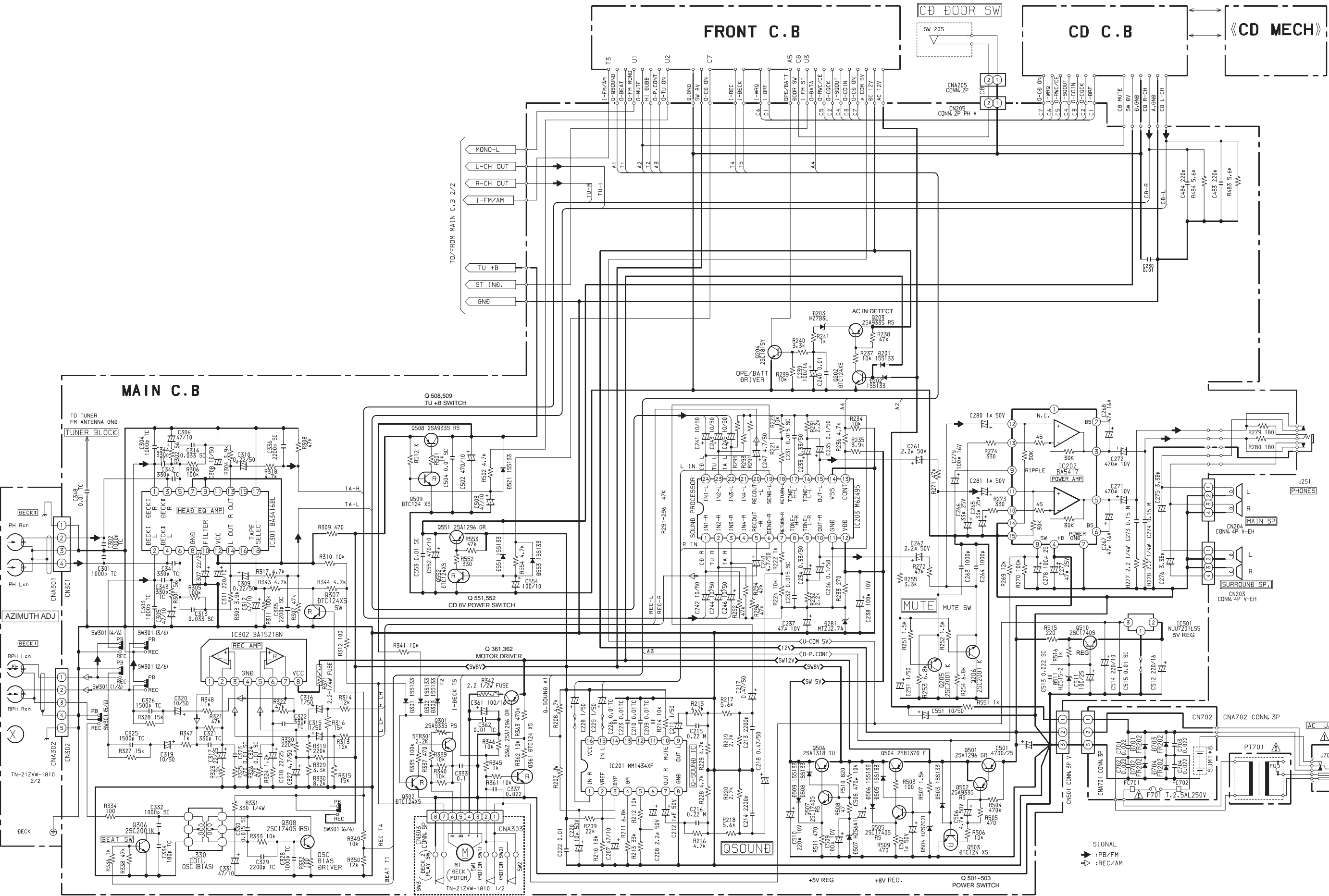
2SB1370

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

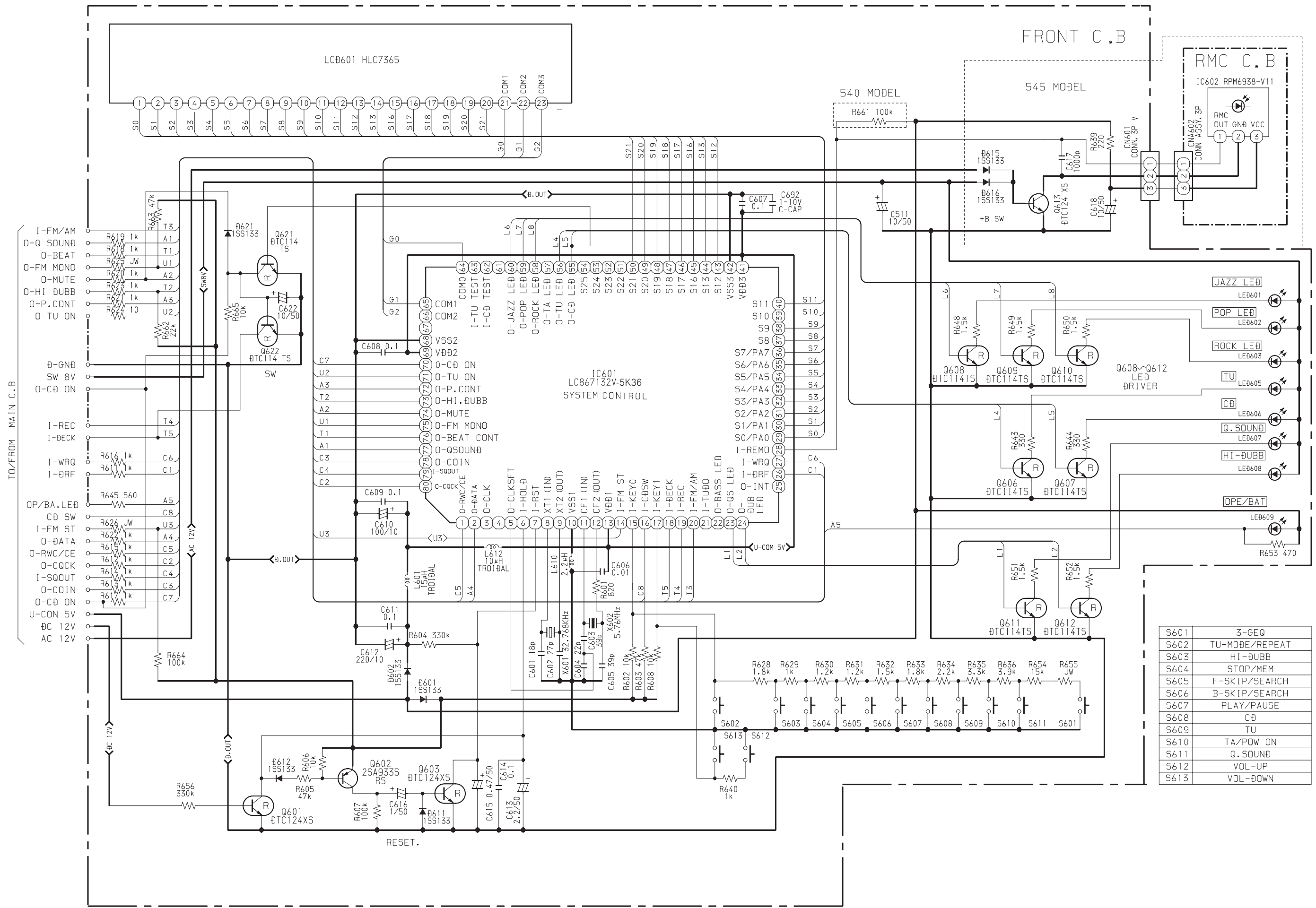




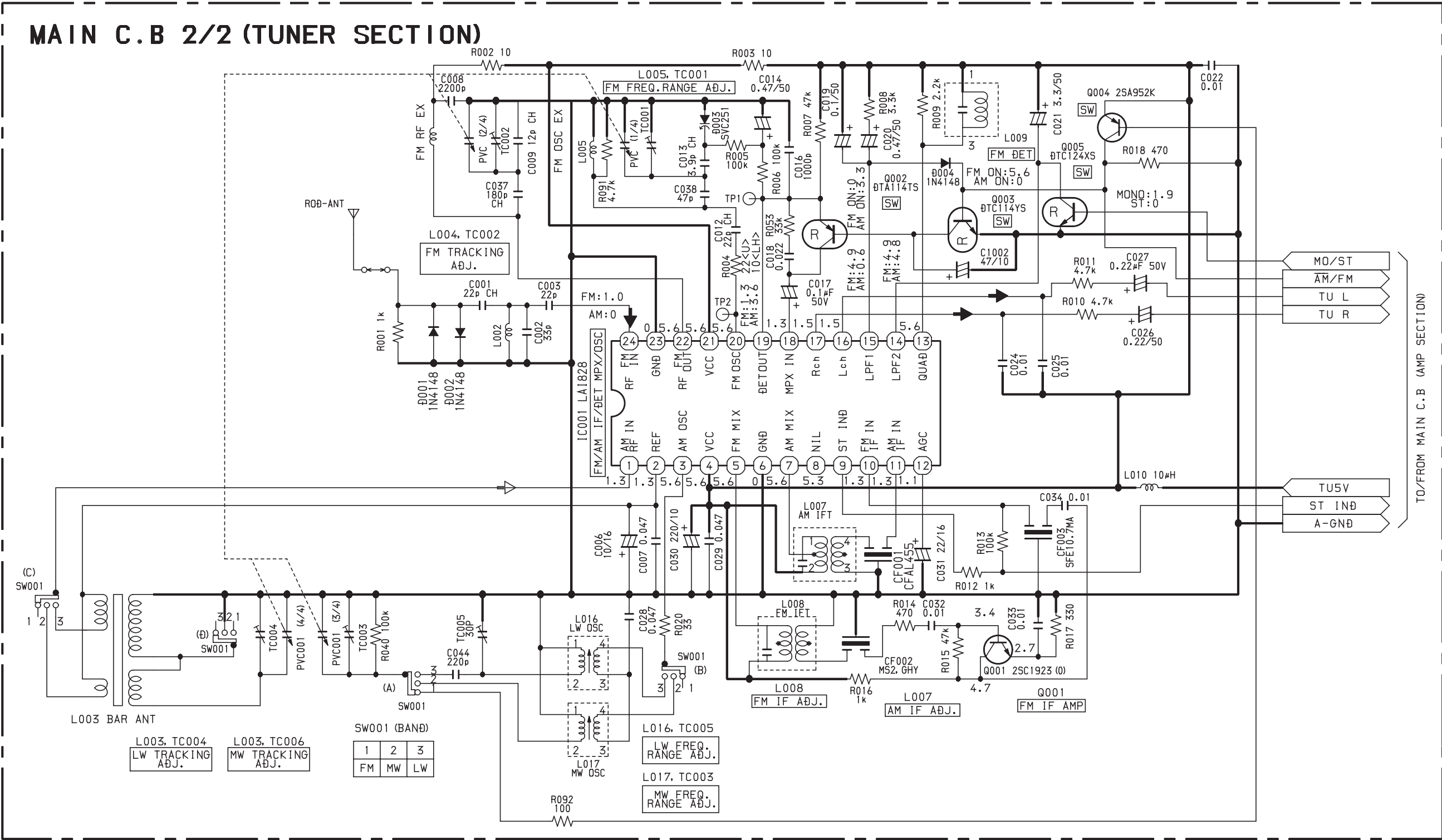
SCHEMATIC DIAGRAM-1 (MAIN 1/2)



SCHEMATIC DIAGRAM-2 (FRONT)

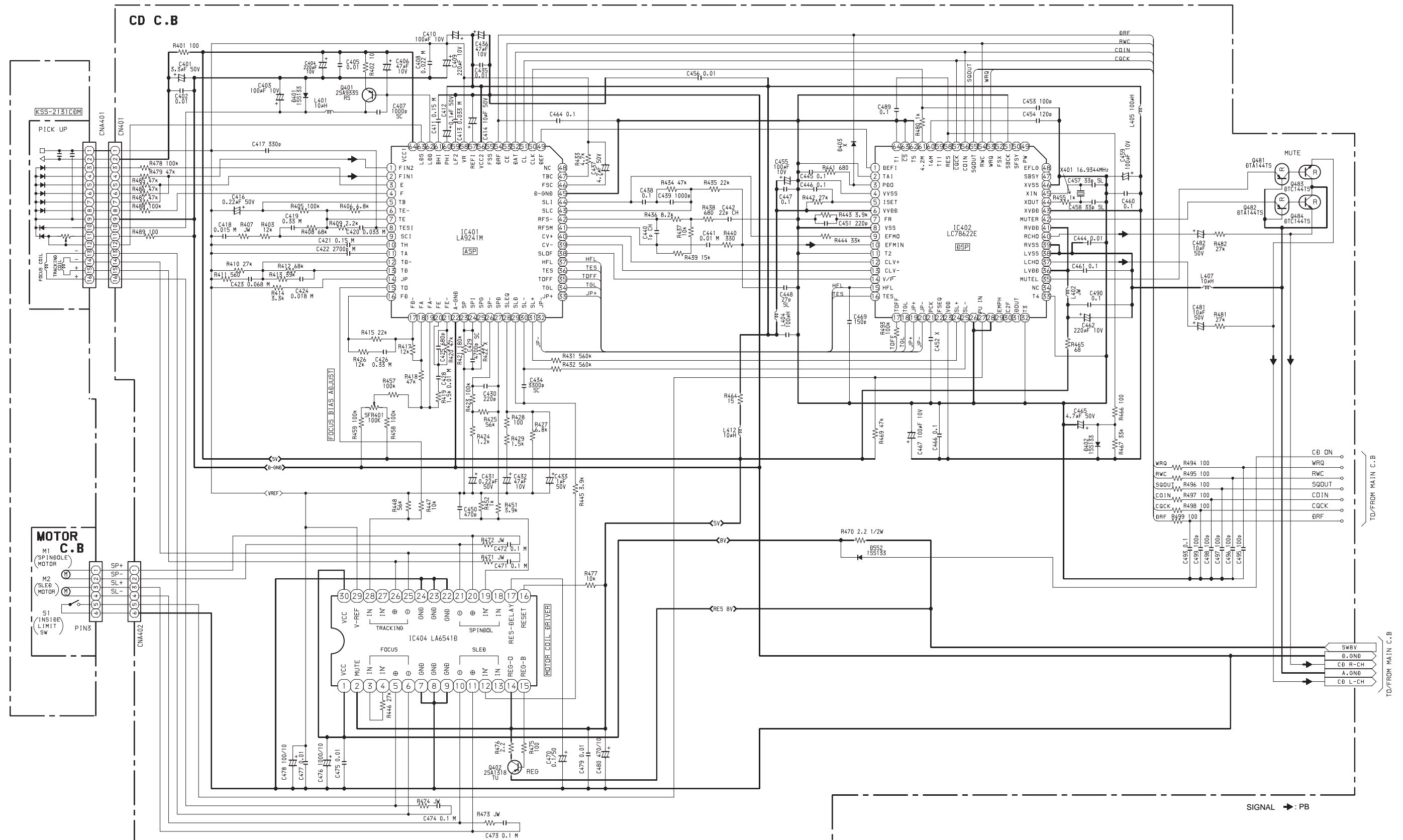


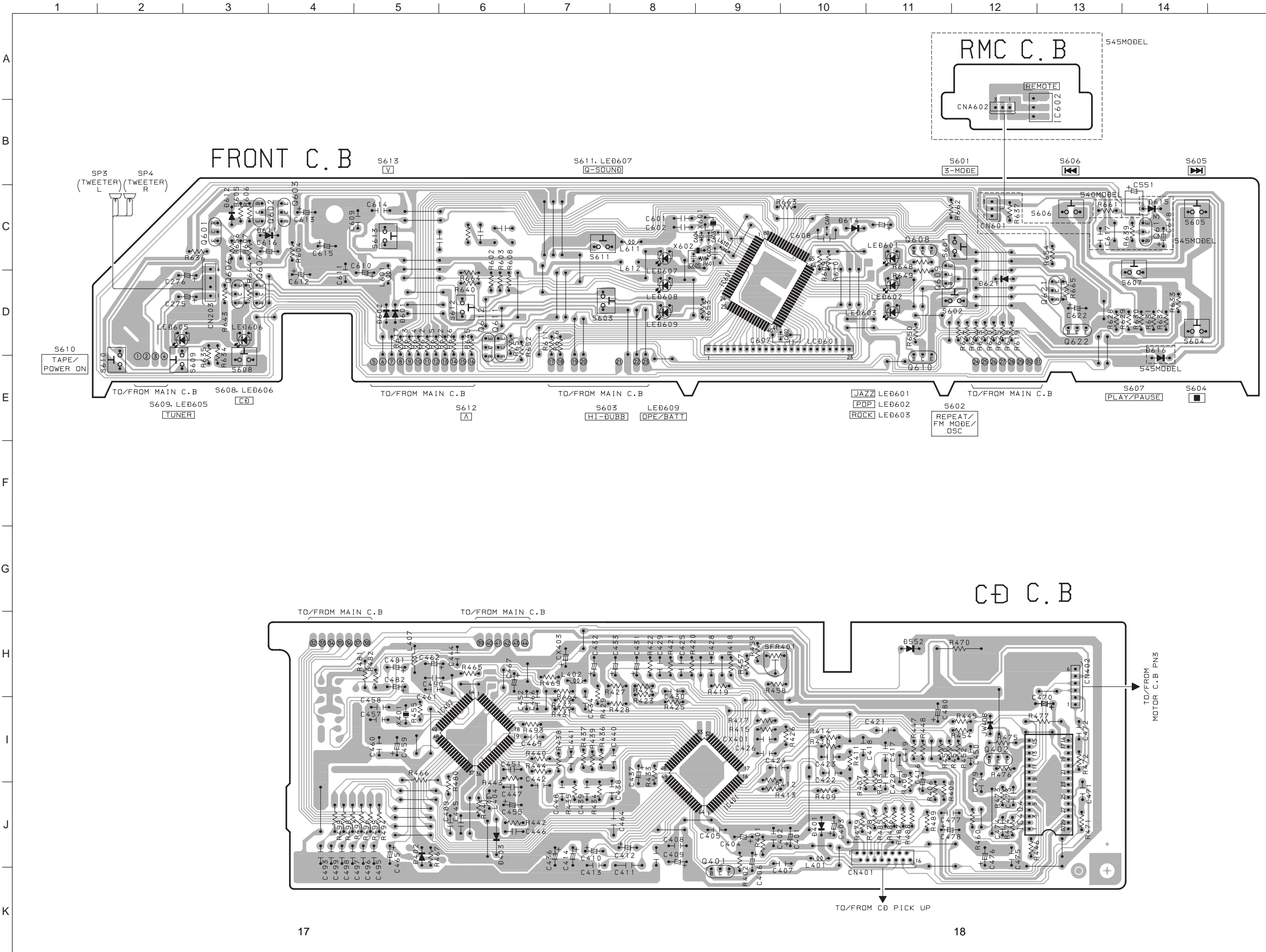




SIGNAL    ➡ : FM  
          ⇨ : AM

SCHEMATIC DIAGRAM-4 (CD)





IC DESCRIPTION  
IC, LA9241ML

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Pin to which external pickup photo diode is connected. RF signal is created by adding with the FIN1 pin signal. FE signal is created by subtracting from the FIN1 pin signal.
2	FIN1	I	Pin to which external pickup photo diode is connected.
3	E	I	Pin to which external pickup photo diode is connected. TE signal is created by subtracting from the F pin signal.
4	F	I	Pin to which external pickup photo diode is connected.
5	TB	I	DC component of the TE signal is input.
6	TE–	I	Pin to which external resistor setting the TE signal gain is connected between the TE pin.
7	TE	O	TE signal output pin.
8	TESI	I	TES “Track Error Sense” comparator input pin. TE signal is passed through a band-pass filter then input.
9	SCI	I	Shock detection signal input pin.
10	TH	I	Tracking gain time constant setting pin.
11	TA	O	TA amplifier output pin.
12	TD–	I	Pin to which external tracking phase compensation constants are connected between the TD and VR pins.
13	TD	I	Tracking phase compensation setting pin.
14	JP	I	Tracking jump signal (kick pulse) amplitude setting pin.
15	TO	O	Tracking control signal output pin.
16	FD	O	Focusing control signal output pin.
17	FD–	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
18	FA	I	Pin to which external focusing phase compensation constants are connected between the FD– and FA– pins.
19	FA–	I	Pin to which external focusing phase compensation constants are connected between the FA and FE pins.
20	FE	O	FE signal output pin.
21	FE–	I	Pin to which external FE signal gain setting resistor is connected between the FE pin.
22	AGND	—	Analog signal GND.
23	NC	—	No connection.
24	SP	O	Single ended output of the CV+ and CV– pin input signal.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected.
26	SP–	I	Pin to which external spindle phase compensation constants are connected together with SPD pin.
27	SPD	O	Spindle control signal output pin.
28	SLEQ	I	Pin to which external sled phase compensation constants are connected.
29	SLD	O	Sled control signal output pin.
30, 31	SL–, SL+	I	Sled advance signal input pin from microprocessor.
32, 33	JP–, JP+	I	Tracking jump signal input pin from DSP.
34	TGL	I	Tracking gain control signal input from DSP. Low gain when TGL = H.
35	TOFF	I	Tracking off control signal input pin from DSP. Off when TOFF = H.

Pin No.	Pin Name	I/O	Description
36	TES	O	Pin from which TES signal is output to DSP.
37	HFL	O	“High Frequency Level” is used to judge whether the main beam position is on top of bit or on top of mirror.
38	SLOF	I	Sled servo off control input pin.
39, 40	CV–, CV+	I	CLV error signal input pin from DSP.
41	RFSM	O	RF output pin.
42	RFS–	I	RF gain setting and EFM signal 3T compensation constant setting pin together with RFSM pin.
43	SLC	O	“Slice Level Control” is the output pin which controls the RF signal data slice level by DSP.
44	SLI	I	Input pin which control the data slice level by the DSP.
45	DGND	—	Digital system GND.
46	FSC	O	Output pin to which external focus search smoothing capacitor is connected.
47	TBC	I	“Tracking Balance Control” EF balance variable range setting pin.
48	NC	—	No connection.
49	DEF	O	Disc defect detector output pin.
50	CLK	I	Reference clock input pin. 4.23 MHz of the DSP is input.
51	CL	I	Microprocessor command clock input pin.
52	DAT	I	Microprocessor command data input pin.
53	CE	I	Microprocessor command chip enable input pin.
54	DRF	O	“Detect RF” RF level detector output.
55	FSS	I	“Focus Search Select” focus search mode (± search/+ search) select pin.
56	VCC2	—	Servo system and digital system Vcc pin.
57	REFI	—	Pin to which external bypass capacitor for reference voltage is connected.
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin.
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected.
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected.
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1	—	RF system Vcc pin.

# IC, LC78622ED

Pin No.	Pin Name	I/O	Description	
1	DEFI	I	Defect sense signal (DEF) input pin. (Connect to 0V when not used).	
2	TAI	I	For PLL.	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
3	PDO	O		Phase comparator output pin to control external VCO.
4	VVSS	—		GND pin for built-in VCO. Be sure to connect to 0V.
5	ISSET	I		Pin to which external resistor adjusting the PDO output current.
6	VVDD	—		Power supply pin for built-in VCO.
7	FR	I		Pin for VCO frequency range adjustment.
8	VSS	—	Digital system GND. Be sure to connect to 0V.	
9	EFMO	O	For slice level control.	EFM signal output pin.
10	EFMIN	I		EFM signal input pin.
11	TEST2	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
12, 13	CLV+, CLV–	O	Disc motor control output. Three level output is possible using command.	
14	V/P	O	Rough servo or phase control automatic selection monitoring output pin. Rough servo at H. Phase servo at L.	
15	HFL	I	Track detect signal input pin. Schmidt input.	
16	TES	I	Tracking error signal input pin. Schmidt input.	
17	TOFF	O	Tracking OFF output pin.	
18	TGL	O	Tracking gain selection output pin. Gain boost at L.	
19, 20	JP+, JP–	O	Track jump control signal output pin. Three level output is possible using command.	
21	PCK	O	EFM data playback clock monitoring pin 4.3218 MHz when phase is locked in.	
22	FSEQ	O	Sync signal detection output pin. H when the sync signal which is detected from EFM signal and thesync signal which is internally generated agree.	
23	VDD	—	Digital system power supply pin.	
24-28	SL+ - PUIN	I/O	General purpose input/output pin 1 to 5.	The pin is controlled by the serial data command from microprocessor. When the pin is not used, set the pin to the input terminal and connect to 0V, or alternately set the pin to output terminal and leave the pin open.
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H.	
30	C2F	O	C2 flag output pin.	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format).	
32, 33	TEST3, TEST4	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
34	N.C.	—	Not used. Set the pin to open.	
35	MUTEL	O	L-channel 1-bit DAC.	L-channel mute output pin.
36	LVDD	—		L-channel power supply pin.
37	LCHO	O		L-channel output pin.
38	LVSS	—		L-channel GND. Be sure to connect to 0V.
39	RVSS	—	R-channel 1-bit DAC.	R-channel GND. Be sure to connect to 0V.
40	RCHO	O		R-channel output pin.
41	RVDD	—		R-channel power supply pin.
42	MUTER	O		R-channel mute output pin.

Pin No.	Pin Name	I/O	Description
43	XVDD	—	Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS	—	Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin.
48	EFLG	O	C1, C2, single and dual correction monitoring pin.
49	PW	O	Subcode P, Q, R, S, T, U and W output pin.
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby.
51	SBCK	I	Subcode read clock input pin. Schmidt input. (Be sure to connected to 0V when not in use.)
52	FSX	O	Pin outputting the 7.35 kHz sync signal which is generated by dividing frequency of crystal oscillator.
53	WRQ	O	Subcode Q output standby output pin.
54	RWC	I	Read/write control input pin. Schmidt input.
55	SQOUT	O	Subcode Q output pin.
56	COIN	I	Command input pin from microprocessor.
57	$\overline{\text{CQCK}}$	I	Command input read clock or subcode read input clock from SQOUT pin
58	$\overline{\text{RES}}$	I	LC78622 reset input pin. Set this pin to L once when the main power is turned on.
59	TST11	O	Test signal output pin. Use this pin as open (normally L output).
60	16M	O	16.9344 MHz output pin.
61	4.2M	O	4.2336 MHz output pin.
62	TEST5	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
63	$\overline{\text{CS}}$	I	Chip select signal input pin with built-in pull-down resistor. Be sure to connect to 0V while it is not controlling.
64	TEST1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.

**Note:** The same potential must be applied to the respective power supply terminals. (VDD, VVDD, LVDD, RVDD, XVDD)



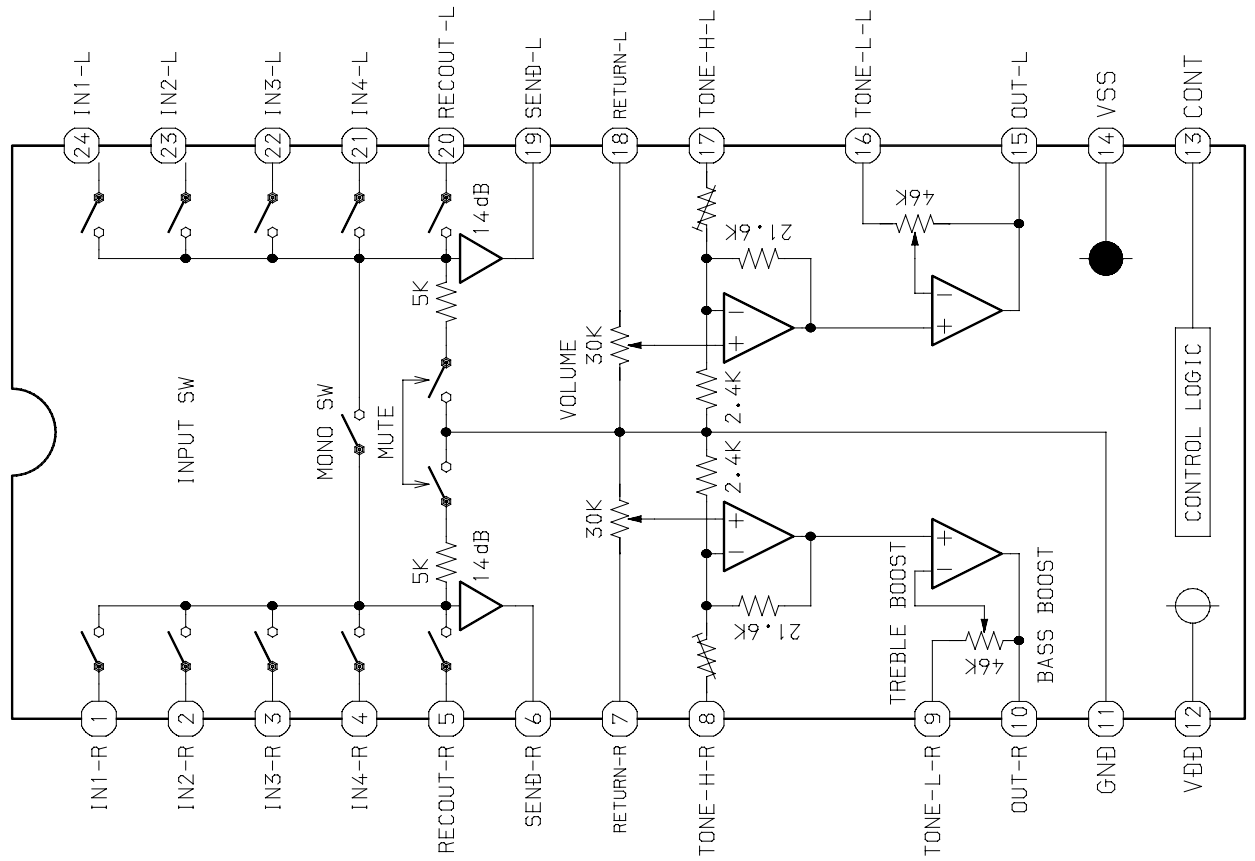
## IC, LC867132V-5K36

Pin No.	Pin Name	I/O	Description
1	O-RMC/CE	O	CD read/write control output and TU CE.
2	O-DATA	O	Data output to LC72121M, M62495FP.
3	O-CLK	O	Output LC72121M CLK. (Not connected)
4	NC	—	Not Connected.
5	O-CLK SFT	O	Clock shift output of the microcomputer.
6	I-HOLD	I	Hold status detection.
7	I-RST	I	Microcomputer reset.
8	XT1 (IN)	I	Connected to 32.768kHz crystal oscillator.
9	XT2 (OUT)	O	
10	VSS1	—	GND.
11	CF1 (IN)	I	Connected to 6MHz Ceramic Filter.
12	CF2 (OUT)	O	
13	VDD1	—	Power supply for microcomputer (+5V).
14	I-ST IND	I	FM STEREO status input.
15	I-KEYO	I	KEY AD input.
16	I-CD SW	I	CD DOOR SW status detection input.
17	I-KEY1	I	KEY AD input.
18	I-MOTOR	I	DECK MECHA MOTOR status input.
19	I-REC	I	REC status input.
20	I-FM/AM	I	FM, AM status input.
21	I-TU DO	I	Data input from LC72121M. (Not connected)
22	O-BASS LED (NC)	O	BASS LED ON/OFF control output. (Not connected)
23	O-QS LED	O	Q-Sound LED ON/OFF control output.
24	O-DUBB LED	O	LED control output used for high-speed dubbing.
25	O-INT	O	INT DIODE MATRIX detection output. (Not connected)
26	I-DRF	I	CD RF level detection input.
27	I-WRQ	I	CD sub-code Q standby input.
28	I-REMO	I	Remote control input.
29	S0-PA0	O	LCD segment output and initial settings output. (SW)
30	S1/PA1	O	LCD segment output and initial settings output. (LW)
31	S2/PA2	O	LCD segment output and initial settings output. (MW 10K)
32	S3/PA3	O	LCD segment output and initial settings output. (FM WIDE)
33	S4/PA4	O	LCD segment output and initial settings output. (AMST)
34	S5/PA5	O	LCD segment output and initial settings output. (SW2)
35	S6/PA6	O	LCD segment output and initial settings output.
36	S7/PA7	O	LCD segment output and initial settings output.
37-40	S8-S11	O	
41	VDD3	—	Power supply for microcomputer (+5V).
42	VSS3	—	GND.
43-50	S12-S19	O	LCD segment output.
51-54	S20-S23 (NC)	O	LCD segment output. (Not Connected)

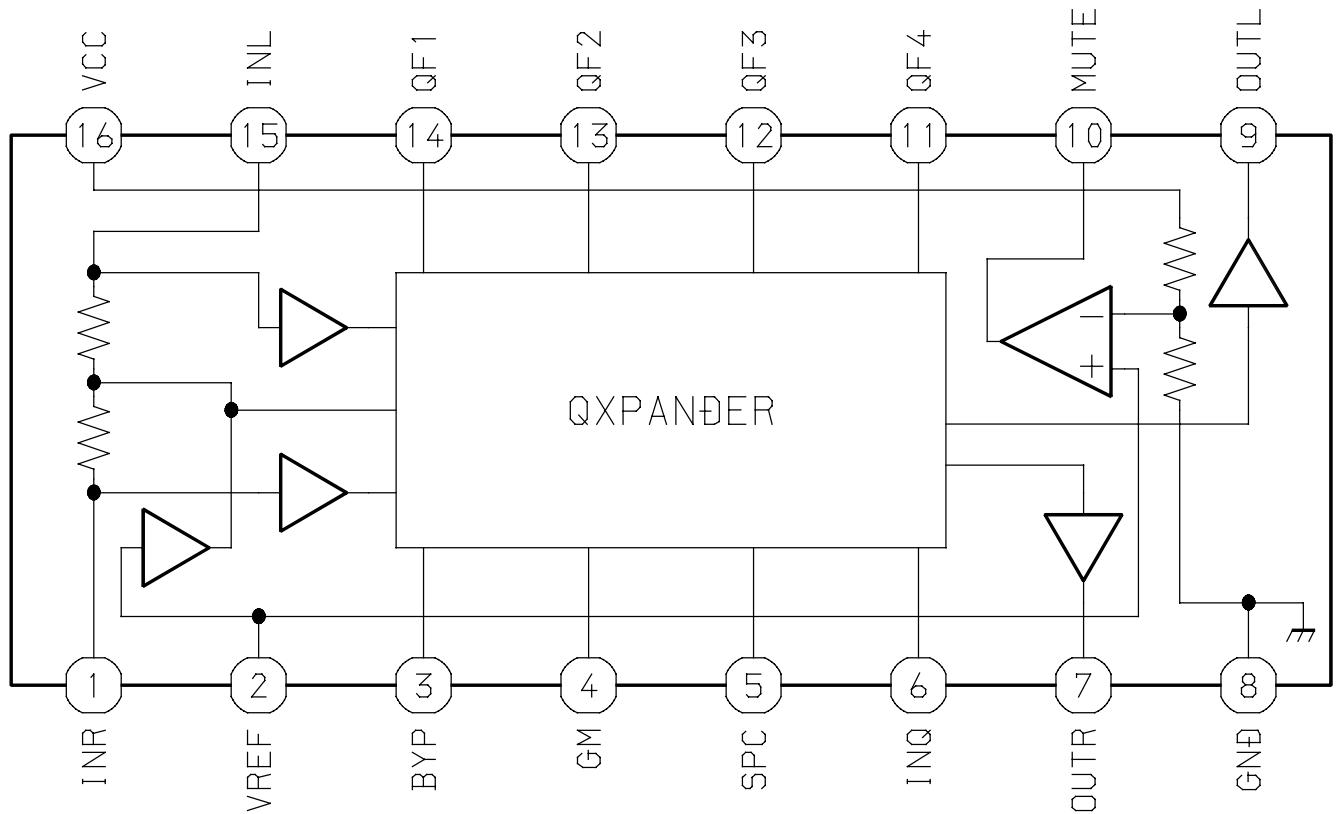
Pin No.	Pin Name	I/O	Description
55	O-CD LED	O	LED ON/OFF control output for CD functions.
56	O-TU LED	O	LED ON/OFF control output for TU functions.
57	O-TA LED	O	LED ON/OFF control output for TAPE functions.
58	O-ROCK LED	O	LED ON/OFF control output for ROCK.
59	O-POP LED	O	LED ON/OFF control output for POP.
60	O-JAZZ LED	O	LED ON/OFF control output for JAZZ.
61	NC	—	Not connected.
62	—	—	
63	—	—	
64-66	COM0-COM2	O	LCD common output.
67	NC	—	Not connected.
68	VSS2	—	GND.
69	VDD2	—	Power supply for microcomputer (+5V).
70	O-CD ON	O	CD PWR control output.
71	O-TU ON	O	TU PWR control output.
72	O-P.CONT	O	Power supply control output.
73	O-H.DUBB	O	Dubbing speed control output.
74	O-MUTE	O	Main mute output.
75	O-FM MONO	O	FM mono output.
76	O-BEAT CONT	O	BEAT switch over output.
77	O-QSOUND	O	Q-Sound ON/OFF output.
78	O-COIN	O	CD command output.
79	I-SQOUT	I	CD sub-code Q input.
80	O-CQCK	O	CLK for CD commands/sub-codes.

## IC BLOCK DIAGRAM

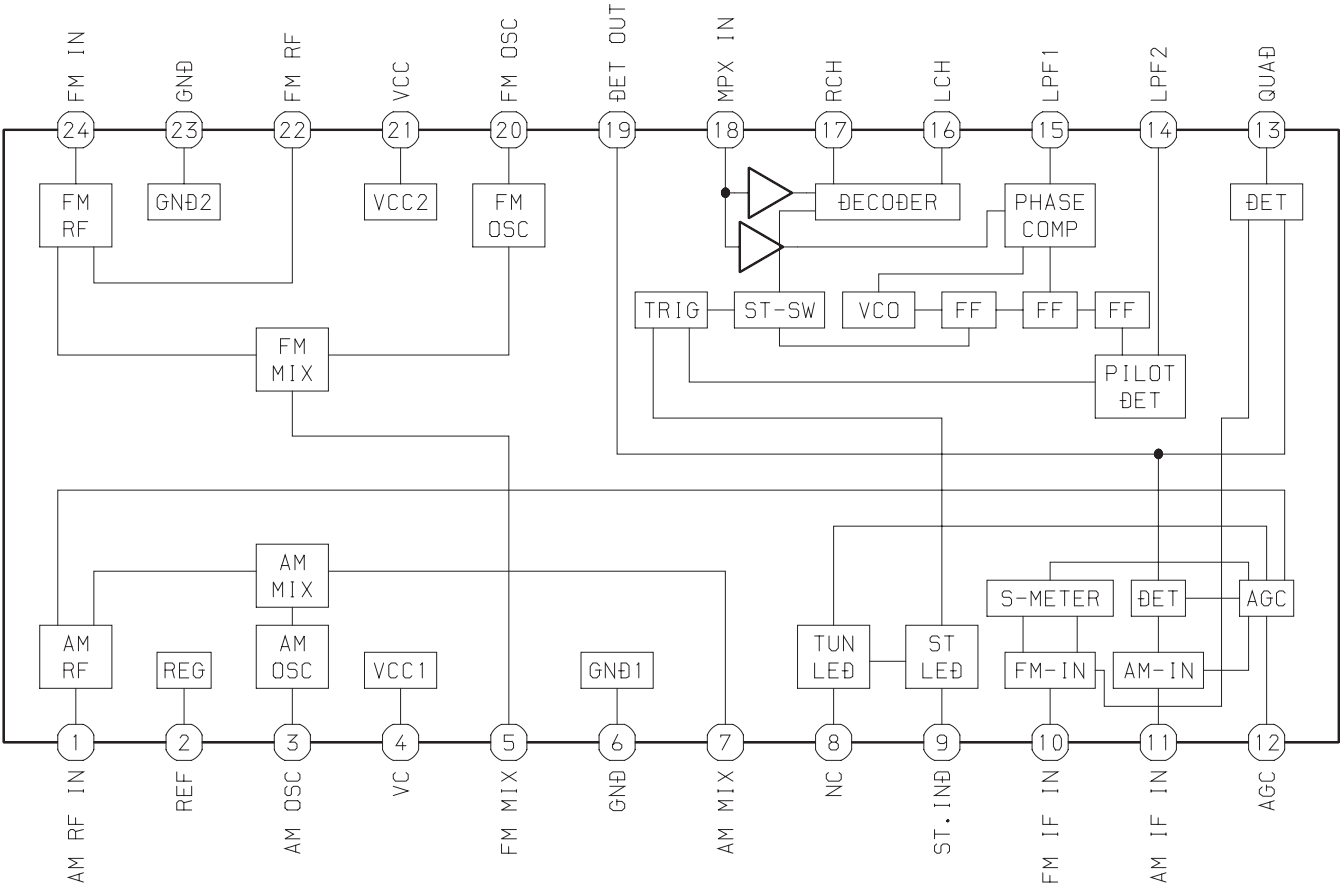
### IC, M62495FP



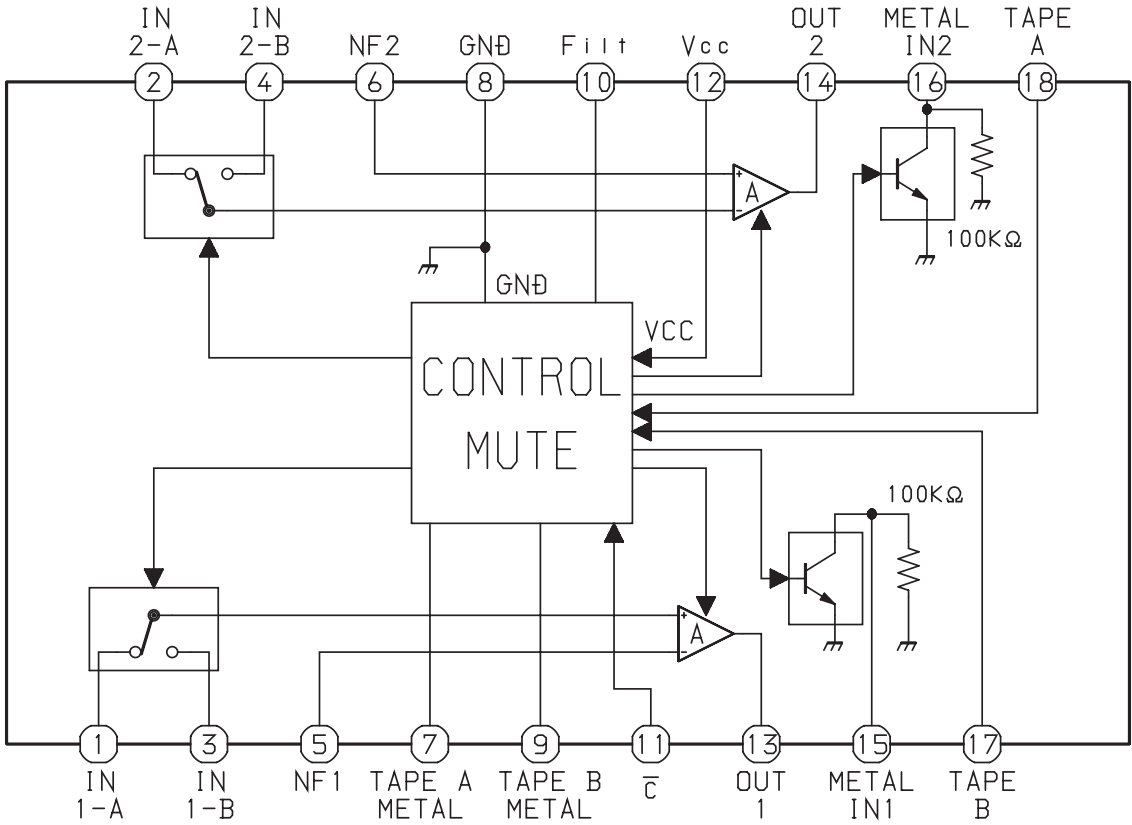
### IC, MM1434XF

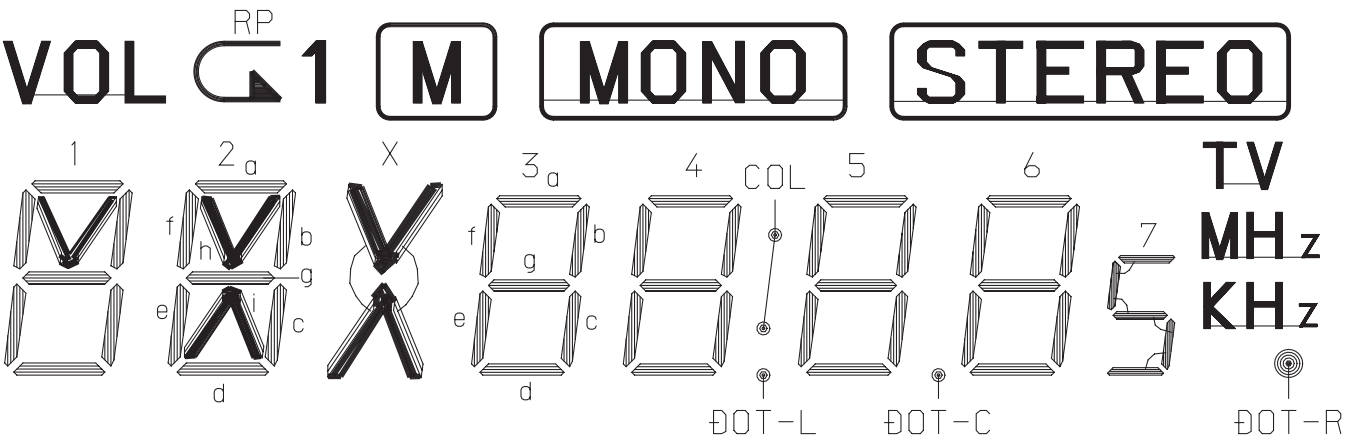


IC, LA1828



IC, BA3416BL





NO	COM1	COM2	COM3
1	2 b	2 c	2 d
2	1 b	1 c	1 d
3	1 a	1 f	1 e
4	1 h	1 g	VOL
5	2 a	2 f	2 e
6	2 h	2 g	2 i
7	3 f	3 e	RP
8	3 a	3 g	3 d
9	3 b	3 c	1
10	4 f	4 e	M
11	4 a	4 g	4 d
12	4 b	4 c	X
13	COL	DOT-L	MONO
14	5 f	5 e	DOT-R
15	5 a	5 g	5 d
16	5 b	6 c	DOT-C
17	6 f	6 e	STEREO
18	6 a	6 g	6 d
19	6 b	6 c	?
20	TV	MHz	KHz
21	COM1	—	—
22	—	COM2	—
23	—	—	COM3

## MECHANICAL PARTS LIST 1/1

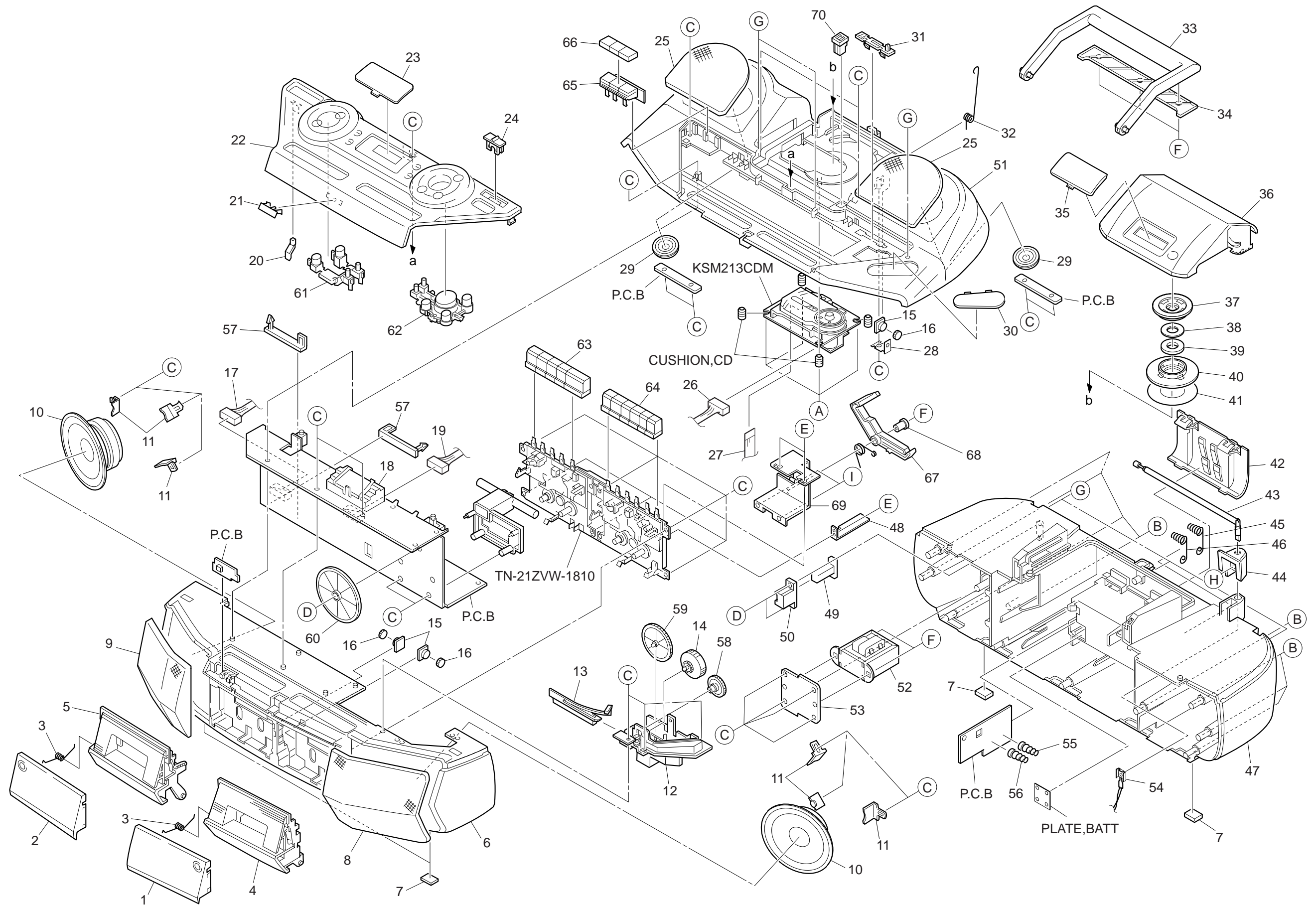
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-CD3-014-010		WINDOW,CASS R	44	8Z-CD3-048-010		COVER, ANT
2	8Z-CD3-013-010		WINDOW,CASS L	45	8Z-CD3-225-010		SPR-C,BATT LINK
3	8Z-CD3-219-010		SPR-T,CASS	46	8Z-CD3-223-010		SPR-C,BATT LINK L
4	8Z-CD3-012-010		BOX,CASS R	47	8Z-CD3-002-010		CABI,REAR
5	8Z-CD3-011-010		BOX,CASS L	48	8Z-CD3-216-010		SPR-P,REC
6	8Z-CD3-001-010		CABI,FR	△ 49	87-A60-178-010		JACK,AC E W/SW
7	86-CT9-223-010		CUSH,FOOT	50	87-A90-086-010		COVER,AC-SOCKET
8	8Z-CD3-027-010		GRILLE,SPKR R	51	8Z-CD3-003-010		CABI, TOP
9	8Z-CD3-026-010		GRILLE,SPKR L	△ 52	88-CT6-630-010		PT,EZ/K
10	88-CD5-602-010		SPKR 4'3.2	53	8Z-CD3-212-010		HLD R,PT
11	8Z-CD3-214-010		HLD R,SPKR	54	8Z-CD3-208-010		HLD R,ANT
12	8Z-CD3-201-010		BOX,GEAR	55	8Z-CD3-222-010		SPR-C,BATT(-)L
13	8Z-CD3-022-010		POINTER,TU	56	8Z-CD3-224-010		SPR-C,BATT(-)
14	8Z-CD3-024-010		KNOB,RTRY TU	57	8Z-CD3-207-010		HLD R,PWB
15	86-CT9-220-110		OIL-DMP R,BRACKET	58	8Z-CD3-205-010		GEAR,3
16	86-CT9-219-110		OIL-DMP R,GEAR	59	8Z-CD3-204-010		GEAR,2
17	8Z-CD3-638-010		CONN ASSY,8P DECK MOTOR	60	8Z-CD3-203-010		GEAR,1
18	8Z-CD3-206-010		HLD R,LCD	61	8Z-CD3-018-010		BTN,2
19	8Z-CD3-640-010		CONN ASSY,5P RPH.	62	8Z-CD3-017-010		BTN,1
20	8Z-CD3-021-010		LENS,LED	63	8Z-CD3-010-010		KEY,CASS B
21	86-CT9-039-010		BADGE,AIWA 30N	64	8Z-CD3-009-010		KEY,CASS A
22	8Z-CD3-046-010		PANEL,FR K<540KS,540EZS>	65	8Z-CD3-020-010		BTN,4
22	8Z-CDD-001-010		PANEL,FR 545<545EZSC>	66	8Z-CD3-019-010		BTN,3
23	8Z-CD3-007-010		WINDOW,LCD	67	8Z-CD3-210-010		LEVER,REC
24	8Z-CD3-016-010		KNOB,SL BAND	68	8Z-CD3-218-010		CLR,REC
25	8Z-CD3-028-010		GRILLE, TOP	69	8Z-CD3-215-010		HLD R,REC
26	8Z-CD3-636-010		CONN ASSY,6P CD MOTOR	70	87-036-389-010		SW,PUSH 1-1-1 R8120125
27	8Z-CD3-642-010		FF-CABLE, 16P 1.0 300MM	A	81-CD5-204-010		SCREW CD
28	8Z-CD3-211-010		SPR-P,DMP R	B	87-651-104-410		VT1+3-30
29	87-CL4-762-010		SPKR CER TWEETER	C	87-751-097-410		SCREW 3X12
30	8Z-CD3-045-010		WINDOW,BAND K<540KS,540EZS>	D	87-651-075-210		VT1+2.6-10
30	8Z-CD3-025-010		WINDOW,BAND<545EZSC>	E	87-721-095-410		QT2+3-8GLD W/O SLOT
31	8Z-CD3-202-010		LEVER,BAND	F	87-501-095-410		VF+3-8
32	8Z-CD3-220-010		SPR-T,CD	G	87-493-100-410		VWWS+3-16 BLK
33	8Z-CD3-005-010		HANDL,ARM	H	87-651-102-410		VT1 3-20 GLD
34	8Z-CD3-006-010		HANDL,GRIP	I	87-571-033-410		TAPPING SCREW, VIT+2-4
35	8Z-CD3-023-010		WINDOW,CD				
36	8Z-CD3-015-010		BOX,CD				
37	86-CD4-225-010		CHUCK(A)				
38	86-CT9-222-010		PLATE,MAGNET				
39	87-036-368-010		MAGNET				
40	8Z-CT6-213-010		BASE,CHUCK				
41	8Z-CT6-214-010		RING,CHUCK				
42	8Z-CD3-008-010		LID,BATT				
43	88-CT6-633-010		ANT,ROD				

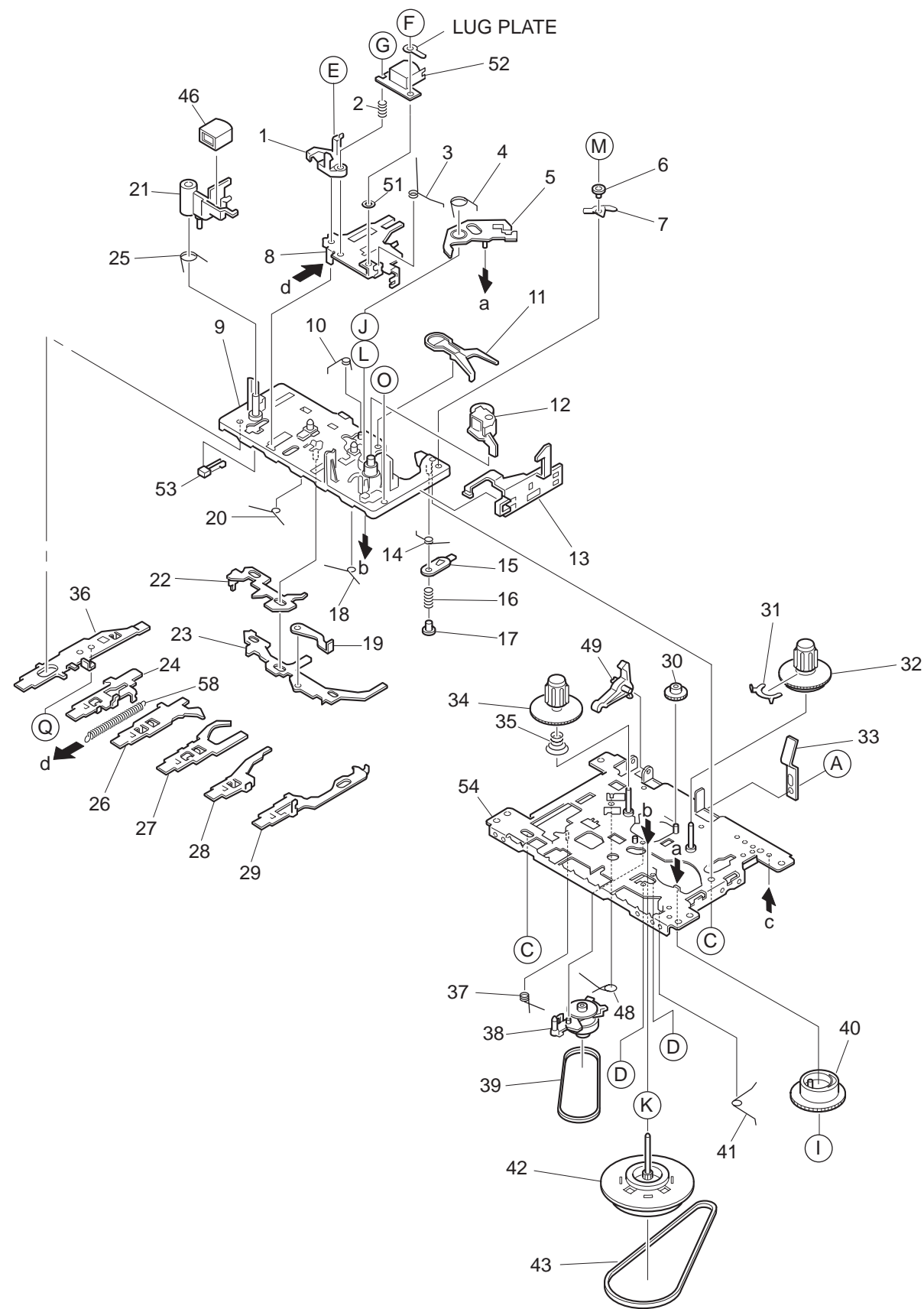
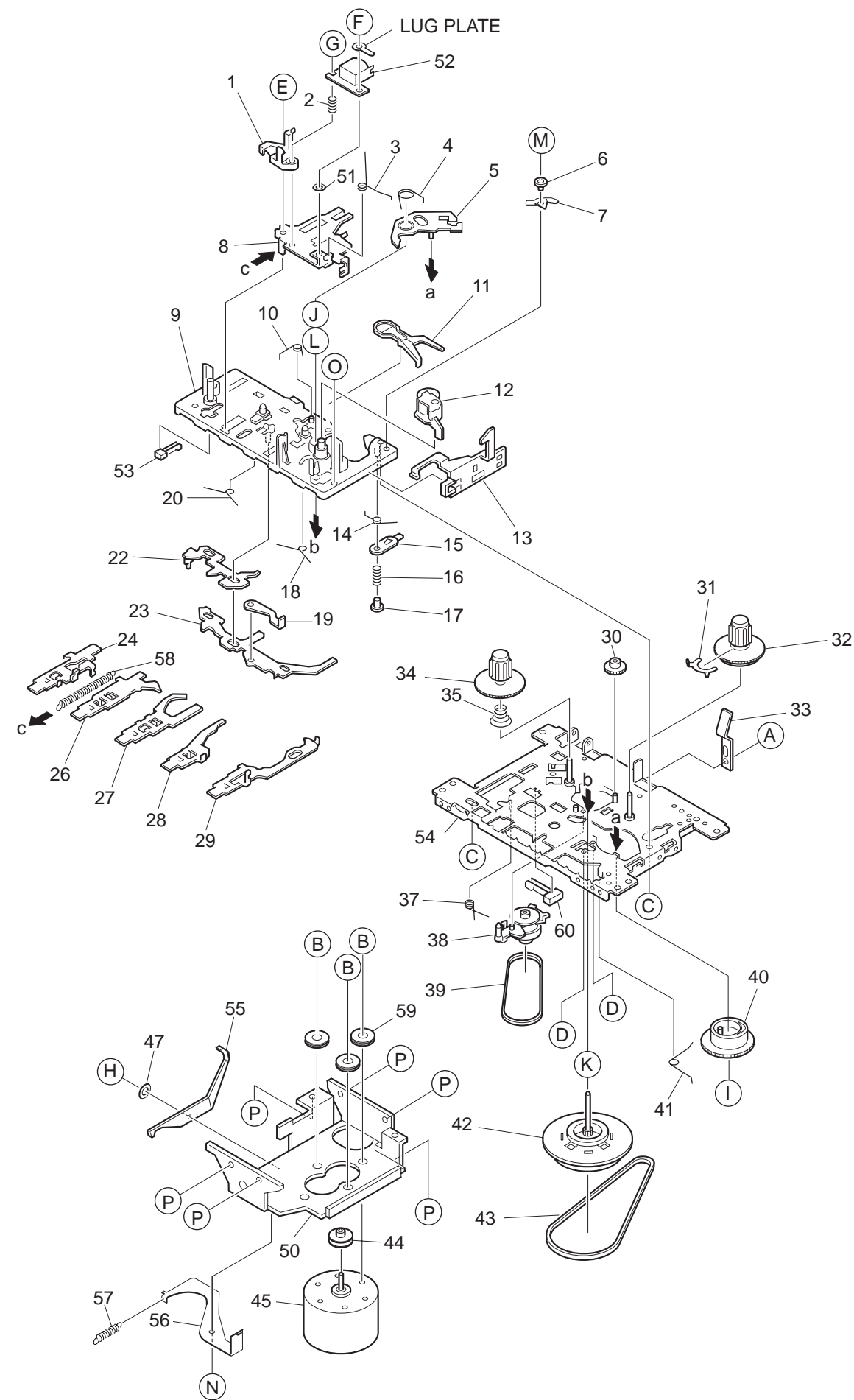
## COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		





TAPE MECHANISM EXPLODED VIEW 1/1

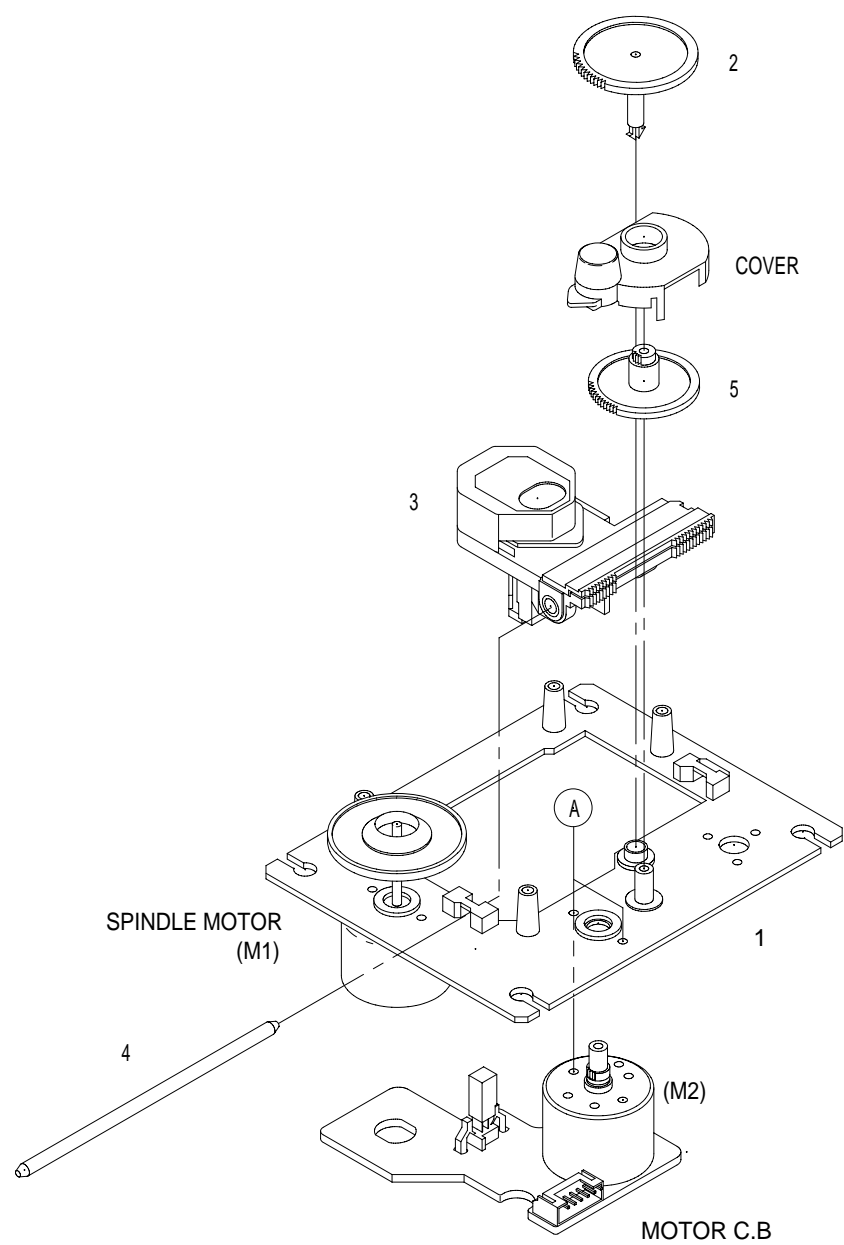


## TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S1-921-030-4A0		HEAD BASE	41	S1-921-140-160		E ACTUATOR SPRING
2	S1-821-030-070		AZIMUTH SPRING	42	S1-921-093-040		FLYWHEEL ASSY
3	S1-921-030-090		PANEL P SPRING	43	S1-921-090-240		MAIN BELT
4	S1-921-260-050		GEAR PLATE SPRING	44	S1-921-120-130		MOTOR PULLEY
5	S1-921-265-020		GEAR PLATE ASSY	45	S6-002-030-290		MOTOR EG530YD-2BH
6	S1-921-140-370		P ARM COLLER	46	S6-209-100-100		E HEAD PH-K380-MS1
7	S1-921-140-340		P ARM	47	S1-821-120-650		COLLER B
8	S1-921-030-110		HEAD PANEL	48	S1-921-140-210		REC BUTTON LEVER SPRING
9	S1-921-143-160		BASE ASSY	49	S1-821-100-690		RECORD SAFETY LEVER
10	S1-921-141-8A0		M CONTROL SPRING	50	S1-921-120-110		MOTOR BRACKET
11	S1-921-260-4A0		SENSING LEVER	51	S9-W13-000-100		Y WASHER PB 0.1T
12	S1-921-043-100		PINCH ROLLER ARM ASSY	52	S6-202-010-920		R.P HEAD MS15R-AK0N1
13	S1-921-130-010		EJECT SLIDE LEVER	53	S6-401-011-520		LEAF SW MSW-1541F
14	S1-921-141-3A0		P CONTROL SPRING	54	S1-921-015-010		CHASSIS ASSY
15	S1-921-140-820		PAUSE LEVER(F)	55	S1-921-120-090		P KICK LEVER
16	S1-921-140-120		PAUSE LEVER SPRING	56	S1-821-120-680		P KICK LEVER (A)
17	S1-921-140-110		PAUSE STOPPER	57	S1-821-120-250		P KICK LEVER SPRING
18	S1-921-140-150		BUTTON LEVER SPRING(B)	58	S1-821-010-500		PLAY BUTTON LEVER SPRING
19	S1-821-011-590		E KICK LEVER	59	S1-820-130-060		MOTOR RUBBER
20	S1-921-140-140		BUTTON LEVER SPRING(A)	60	S6-401-011-610		LEAF SW MSW-17820MVEI
21	S1-921-030-050		MG ARM	A	S9-P33-200-320		DEL TITE SCREWM2-3
22	S1-921-140-090		SWITCH ACTUATOR	B	S1-821-120-020		MOTOR COLLER SCREW
23	S1-921-140-080		PUSH BUTTON ACTUATOR	C	S9-B10-200-510		P TAPPING BIND SCREW M2-5
24	S1-921-140-190		PLAY BUTTON LEVER	D	S9-C07-204-510		SCREW,TAPPING(CAMERA)M2-4.5
25	S1-921-030-100		MG ARM SPRING	E	S9-P01-200-610		SCREW,M2-6
26	S1-921-140-040		REW BUTTON LEVER	F	S9-P01-200-310		SCREW,M2-3
27	S1-921-140-050		FF,BUTTON LEVER	H	S9-P04-200-610		C TAPPING SCREW M2-6
28	S1-921-140-060		STOP BUTTON LEVER	I	S9-W02-300-100		P WASHER CUT 1.2-3.8-0.3
29	S1-921-140-600		PAUSE BUTTON LEVER	J	S9-W02-500-100		P WASHER CUT 1.45-3.8-0.5
30	S1-821-100-700		FF GEAR	K	S9-W01-400-100		P WASHER 2-3.5-0.4
31	S1-921-050-060		SENSOR	L	S9-W01-130-200		P WASHER 2.1-4-0.13
32	S1-921-053-100		TAKE UP REEL ASSY	M	S9-P08-203-010		PS TAPPING SCREW M2-3
33	S1-829-100-010		PACK SPRING	N	S1-821-120-230		PK COLLER SCREW A
34	S1-921-050-150		S REEL HUB	O	S9-P05-200-810		SCREW,S TAP 2-8
35	S1-921-050-220		BACK TENSION SPRING	P	S9-P04-200-410		C TAPPING SCREW M2-4
36	S1-921-140-030		REC BUTTON LEVER	Q	S9-P04-200-310		C TAPPING SCREW 2-3
37	S1-921-140-170		P.S.LEVER SPRING				
38	S1-921-073-080		RF CLUTCH ASSY				
39	S1-921-070-030		RF BELT				
40	S1-921-260-020		CAM GEAR				

CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	9X-262-620-210		MOTOR CHASSIS ASSY
2	92-626-907-010		GEAR (A)
3	87-A90-468-010		PICK UP KSS-213C
4	92-626-908-010		SHAFT SLED
5	92-627-003-020		GEAR (B) (RP)
A	97-621-255-150		SCREW+P2-3

## ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-CD3-908-010		IB,EZ(9L)FM<EXCEPT 540KS>
1	8Z-CD3-909-010		IB,K(E)FM<540KS>
2	87-050-076-010		AC CORD SET ASSY,E
3	87-A90-312-010		PLUG,CONVERSION WTN-1157R1<EXCEPT 540KS>
4	8Z-CDK-962-010		RC UNIT,RC-ZAT02(VS)<545EZSC>



サービス技術ニュース	
番号	連絡内容
Gー ー	
Gー ー	
Gー ー	

**アイワ株式会社** 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111（代表）  
**AIWA CO.,LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110-8710, JAPAN TEL:03 (3827) 3111